

**REMARKS/ARGUMENTS**

Claims 1-29 are pending. By this Amendment, the specification and claims 1, 4-6, 8, 12, and 14 are amended and claims 18-29 are added. Reconsideration in view of the above amendments and following Remarks is respectfully requested.

The Office Action rejects claims 1-4, 12 and 13 under 35 U.S.C. § 103(a) as unpatentable over Valentine et al. in view of Lietsalmi et al. and Jung et al.; rejects claims 7 and 15 under 35 U.S.C. § 103(a) as unpatentable over Valentine et al. in view of Lietsalmi et al., Jung et al. and Heo; and indicates claims 5, 6, 8-11, 14, 16 would be allowable if rewritten in independent form and to overcome the rejection under 35 U.S.C. § 112, second paragraph, as set forth in the Office Action.

Applicants thank the Examiner for the indication of allowable subject matter. In light of this indication, new claims 18-23 have been added. In particular, new claims 18-20 respectively correspond to dependent claims 5, 6 and 8 rewritten in independent form; new claims 21 and 22 correspond to dependent claims 9 and 10 and new claim 23 correspondence to dependent claim 11 rewritten in independent claim. Note, there were no specific rejections of the claims under 35 U.S.C. § 112, second paragraph set forth in the Office Action.

Claims 1-4, 12 and 13 stand rejected under 35 U.S.C. § 103(a) as unpatentable over Valentine et al. in view of Lietsalmi et al. and Jung et al.. This rejection is respectfully traversed.

Amended claim 1 is directed to a method of generating multimedia events using a short message service in a mobile communication system. The method includes receiving an index corresponding to a multimedia event selected by an originating mobile station and an

identification number of a receiving mobile station from the originating mobile station, checking whether the receiving mobile station already contains data indexed by the index using a short message service center, and transmitting the index without transmitting the data to the receiving mobile station if the receiving mobile station already contains the data.

Thus, according to the present invention, the data is not transmitted if the receiving mobile station already contains the data. Therefore, the channel capacity is enhanced and the transmission time can be reduced (see page 10, lines 12 and 13).

The Office Action indicates Valentine et al. teaches a method of generating multimedia events using a short message service in a mobile communications system and relies on Lietsalmi et al. as disclosing a feature in which an index is received corresponding to message event selected by an originating mobile station and an identification number of a receiving mobile station from the original mobile station and transmitting the index to the receiving mobile station. The Office Action also relies on Jung et al. as disclosing a feature of checking whether the receiving mobile station already contains data corresponding to the index using a short message service center.

However, it is respectfully noted the combination of the references do not teach or suggest transmitting the index without transmitting the data to the receiving mobile station if the receiving mobile station already contains the data. In more detail, Jung et al. is directed to a method for providing a closed user group service in which only users belonging to a particular group of many groups in the same cell can display a certain message (see col. 2, lines 19-22). As shown in Fig. 2 of Jung et al., the data packet includes a message ID and message information

(*i.e.*, the data). The message ID indicates what group should display this message. As shown in Fig. 3, the message ID can be "01" for group A, "02" for group B and so on. Thus, a message ID with group "01" will display the message information 302 (see Fig. 2) (*i.e.*, the groups B and C would not display this message). However, the message information is still sent to all of the mobile stations 104, 105 (see col. 3, lines 36-46).

In addition, Lietsalmi et al. merely teaches broadcasting messages that contain information about actual broadcast messages being transmitted on other sub-channels within a given cell associated with a base station 30 of the cellular communication system (see col. 5, lines 1-4 and Fig. 2). The actual broadcast messages are still being transmitted on other sub-channels within a given cell regardless the general broadcast message being sent containing information about the actual broadcast messages. In more detail, the general broadcast message may be a message overview or summary for each individual cell broadcast message (see col. 5, lines 6 and 7). If the user is interested in the summary, he or she can then view the actual message. However, the actual message is still sent on the sub-channel regardless of the general broadcast message. Thus, Lietsalmi et al. and Jung et al. et al. do not teach or suggest transmitting the index without transmitting the data to the receiving mobile station if the receive mobile station already contains the data. Valentine et al. also do not teach or suggest these features.

Similar arguments apply to independent claim 12. In particular, independent claim 12 includes a feature in which an index is transmitted indexing the selected multimedia event and an identification number of the receiving mobile station, and only the index corresponding to the selected multimedia event from the short message service center is transmitted to the receiving

mobile station if the receiving mobile station already contains the data. The applied art does not teach or suggest transmitting only the index corresponding to the selected multimedia event.

Accordingly, it is respectfully submitted independent claims 1 and 12 and each of the claims dependent therefrom are allowable.

Claims 7 and 15 are dependent claims, and it is respectfully submitted that Heo et al. also does not teach or suggest the above-noted features. Therefore, it is respectfully requested the rejection of claims 7 and 15 under 35 U.S.C. § 103(a) as unpatentable over Valentine et al. in view of Lietsalmi et al., Jung et al. and Heo et al. also be withdrawn.

Further, an additional set of claims 24-29 has been added to set forth the invention in a varying scope, and Applicants submit the new claims are supported by the originally filed specification. In particular, new claims 24-29 directed to a mobile terminal transmits or receives only an index if the mobile terminal already contains the data.

Further, the specification has been amended to correct minor informalities. No new matter has been added.

### CONCLUSION

In view of the foregoing amendments and remarks, it is respectfully submitted that the application is in condition for allowance. If the Examiner believes that any additional changes would place the application in better condition for allowance, the Examiner is invited to contact the undersigned attorney, David A. Bilodeau at the telephone number listed below. Favorable consideration and prompt allowance are earnestly solicited.

Serial No. 09/916,691  
Amendment Dated: June 3, 2004  
Reply to Office Action of March 3, 2004

Docket No. K-286

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this, concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

Respectfully submitted,  
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P-0388

PATENT

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of

Confirmation No.: 8833

Byeung Yun SOH et al.

Group Art Unit: 2683

Serial No.: 09/916,691

Examiner: Marcos L. Torres

Filed: July 30, 2001

Customer No.: 34610

For: METHOD FOR GENERATING MULTIMEDIA EVENTS USING SHORT MESSAGE SERVICE

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Dear Sir:

Transmitted herewith is an Amendment and/or Reply in the above identified application.

☐ No additional fee is required.☐ Also attached:

The fee has been calculated as shown below:

	NO. OF CLAIMS	HIGHEST PREVIOUSLY PAID FOR	EXTRA CLAIMS	RATE	FEE
Total Claims	29	20	9	x \$18 =	\$162.00
Independent Claims	8	3	5	x \$86 =	\$430.00
If multiple claims newly presented, add \$290.00					
Fee for extension of time					
<b>TOTAL FEE DUE</b>					<b>\$592.00</b>

- ☐ Please charge my Deposit Account No. 16-0607 in the amount of \$. An additional copy of this transmittal sheet is submitted herewith.
- ☒ A check in the amount of \$ 592.00 (Check #12078) is attached.
- ☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication or credit any overpayment, to Deposit Account No. 16-0607, including any filing fees under 37 C.F.R. 1.16 for presentation of extra claims and any patent application processing fees under 37 C.F.R. 1.17.

Respectfully submitted,  
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